ATTACHMENT A

INSTALLATION ENGINEERING

I. INSTRUMENT
A. Name Variable Width Film Reader
B. Manufacturer [redacted] STATINTL
C. Contract Number [redacted] STATINTL

II. PHYSICAL FEATURES
A. Number of Component Parts 4
B. Dimensions of the Largest Component Part:
Length 7 Ft. 11 In. Height 6 Ft. 6 In.
Width 3 Ft. 10 In.
C. Weight of Largest Component Part Approx. 2600#
D. Total Weight of Instrument " "
E. Overall Dimensions Assembled:
Length 9 Ft. 6 In. Height 6 Ft. 6 In.
Width 4 Ft. 6 In.
F. Type of Base of Mount:
Flat _____ Three Point Suspension X Four Point Suspension _____
G. Does Instrument have built-in mobility? Yes
H. Is the instrument particularly sensitive to vibration? Yes
I. Are any special or unusual tools or fixtures necessary or adviseable for the installation or maintenance of this equipment? No

III. UTILITIES

A. Electrical:	AC	DC
Voltage	208 Volts ± 15 Volts	
Current	40 Amps	
Frequency	60 cps	
Nr. of phases	3	
Nr. of wires	5	
Power required by equipment	7000 Watts	Watts

Type of outlet required: Two Prong _____, Three Prong _____
Twist Lock X, Permanent Installation _____

Should the equipment be shielded, either from external electromagnetic signals, or to prevent interference with other equipment?
No

B. Air Conditioning:
Room temperature 68-70 Humidity 50-60%
Output of Instrument 25,000 BTU/Hr.
If air must be filtered, what is maximum permissible particle size in microns? _____ What particle count? _____ particles per cubic foot.
Direct connection to instrument? Yes _____ No X
If yes to above, what is the desired air temperature to instrument? _____
Should discharged air be ducted separately? Yes
Is discharged air noxious? No toxic? Slightly
Connector size to instrument 5"

C. Plumbing:
Is water required for the instrument? Yes _____ No X
Water pressure _____ Flow in GPM _____
Type of water desired:
Tap _____ °F ± _____ °F
Tempered _____ °F ± _____ °F
Deionized _____ °F ± _____ °F
Filtered _____ °F ± _____ °F Particle size and count per unit volume.
Type of pipe required:
Galvanized _____ Copper _____
Stainless Steel _____ Plastic _____
Is floor drain required? Yes _____ No _____
Diameter of drain _____ Galvanized drain _____
Plastic drain _____ Glass drain _____

D. Compressed Air:
Diameter of connectors _____ Type of connectors Quick Connect
PSI 110 Water free? Yes
CFM 10 Oil free? Yes

E. Vacuum:
Is vacuum required? Yes _____ No No
Vacuum required _____ PSIA or _____ (inches) (millimeters) of Hq
Displacement _____ CFM _____

IV. REMARKS

In the event additional space is required for environmental conditions or utilities not mentioned above, use the reverse side of this form.

[redacted] Reader

SECRET

25X1A

29 January 1964

MEMORANDUM FOR: Assistant for Administration

SUBJECT : Installation Requirements for the Variable Width Film Reader

25X1A

1. The installation requirements for the [redacted] Varieble Width Film Reader have been determined and forwerded to this office on the attached Installation Engineering Form. This instrument is scheduled for delivery in late April and will be placed in Room 3S455D.

2. Also required prior to installation is completion of the computer hookup to the room by wiring in the necessary connector plates. In addition, one of the teletype units now stored on the first floor must be modified, hooked up, and checked out prior to installation.

3. If it is impossible for any of the required facilities to be provided prior to delivery of the film reader, the undersigned should be notified in writing at the earliest possible date.

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[redacted]
Development Branch, P&DS

Enclosure:
Installation Engineering Form
(2 copies)

STATINTL [redacted]

Variable
Film Loader

[redacted]

STATINTL

January 22, 1964

Dear John:

Enclosed are two copies of the form which we were asked to complete.

The dimensions given in item II.B refer to the frame structure. In item II.E, maximum height and length are with all parts assembled. Maximum width is with film tray aligned athwartships. Length is with removable hood in place.

STATINTL

Very truly yours,

[redacted]

Director of Operations

WHM:jb

INSTALLATION ENGINEERING

I. INSTRUMENT
- A. Name Variable Width Film Reader
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	AC	DC
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Current	40 Amps	
Frequency	60 cps	
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Nr. of wires	5	
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No

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Output of Instrument 25,000 BTU/Hr.
If air must be filtered, what is maximum permissible particle size in microns? _____ What particle count? _____ particles per cubic foot.
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Should discharged air be ducted separately? Yes
Is discharged air noxious? No toxic? Slightly
Connector size to instrument 5"

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Is water required for the instrument? Yes _____ No X
Water pressure _____ Flow in GPM _____
Type of water desired:

Tap	°F	±	°F
Tempered	°F	±	°F
Deionized	°F	±	°F
Filtered	°F	±	°F

Particle size and count per unit volume.
Type of pipe required:
Galvanized _____ Copper _____
Stainless Steel _____ Plastic _____
Is floor drain required? Yes _____ No _____
Diameter of drain _____ Galvanized drain _____
Plastic drain _____ Glass drain _____

D. Compressed Air:
Diameter of connectors _____ Type of connectors Quick Connect
PSI 110 Water free? Yes
CFM 10 Oil free? Yes

E. Vacuum:
Is vacuum required? Yes _____ No No
Vacuum required _____ PSIA or _____ (inches) (millimeters) of Hq
Displacement _____ CFM _____

IV. REMARKS

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STATINTL [redacted]

13 January 1970

U. S. Government

Gentlemen:

STATINTL In the past [redacted] designed and built for your organization a Rear Screen Projector described as a "VWFR." It has been brought to our attention that this equipment is not presently being fully utilized by your people.

Since the equipment has many unique and advanced features, STATINTL [redacted] hereby proposes that the VWFR be moved to our [redacted] STATINTL facility and utilized by [redacted] for various experiments, tests, STATINTL and studies which could possibly be mutually beneficial to both parties. Since these anticipated tests and studies will result in disassembly and rearrangement of the equipment, it would no longer retain its identity.

ILLEGIB

STATINTL [redacted] proposes that the disposition of equipment be accom- STATINTL plished by [redacted] at no cost whatsoever to the Government.

STATINTL [redacted] management and technical people are available to discuss this proposal in more detail should you desire.

Very truly yours,

STATINTL [redacted]

Administration Manager

BCJ/lab

[redacted]

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NPIC/P&DS/85-65
4 March 1965

MEMORANDUM FOR: Chief, Support Staff

ATTENTION: Chief, Logistics Branch, SS

25X1A

SUBJECT: Justification for the purchase of two Quartz Lens Elements for the [redacted] Viewer

25X1A

1. A prototype rear projection viewer with mensuration capability has been delivered to [redacted] for test and evaluation. The viewer was developed for NPIC by the [redacted] on a cost-plus-fixed-fee basis. This instrument is now inoperable because of two cracked lens elements.

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2. One lens element (#3) was broken during packing before shipment of the viewer. The other lens (#4) was broken on February 23 during testing because of the low temperature of the tap water in [redacted] being circulated through the lamp housing. The difference in temperature between the tap water in [redacted] and the tap water in the [redacted] plant was enough to contract the lens barrel and crack the lens element.

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3. The viewer was developed under a cost-plus-fixed-fee contract and there are insufficient funds remaining in the contract to cover procurement of the necessary lenses. [redacted] has agreed to supply the lenses and mount them for [redacted] f the necessary lamp house parts are returned to the factory.

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4. It is necessary that action be taken on this matter as soon as possible because the [redacted] Reader cannot be used operationally until the lens elements are replaced. It is estimated that it will take a minimum of five (5) months to accomplish this task.

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[redacted]
Colonel USAF
Assistant for Plans and Development

Attachment:

25X1A

[redacted]

Distribution:
Orig & 1 - Addressee
1 - Contract file
1 - P&DS chrono
1 - DB chrono

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NPIC/P&DS/[redacted] Mar 65

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